

Title (en)

GLASS FIBRE REINFORCED POLYCARBONATE COMPOSITION MET IMPROVED TOUGHNESS

Title (de)

MIT GLASFASERN VERSTÄRKTE POLYCARBONATZUSAMMENSETZUNG MIT VERBESSERTER SCHLAGZÄHIGKEIT

Title (fr)

COMPOSITION DE POLYCARBONATE RENFORCE PAR FIBRES DE VERRE, A TENACITE RENFORCEE

Publication

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Application

**EP 03721163 A 20030425**

Priority

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Abstract (en)

[origin: WO03095558A1] The invention relates to a polycarbonate composition containing: a) 40 - 69.5 mass % of aromatic polycarbonate having a limiting viscosity number of 43-52 ml/g, b) 30 - 50 mass % of sized glass fibres, c) 0.5 - 5 mass % of at least one partially hydrogenated block copolymer containing at least two terminal polymer blocks A of a monoalkenylarene and at least one intermediate polymer block B of a conjugated diene, and optionally d) 0 - 25 mass % of other additives, and where the sum of a-d) is 100 %. The composition combines improved toughness, for example increased elongation at break and improved environmental stress cracking resistance, and high strength and rigidity. The invention also relates to a process for producing the polycarbonate composition according to the invention, to a moulded part that contains this composition and to an article that contains such a moulded part.

IPC 8 full level

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